

Amendments to the Claims

1. (Currently Amended) A method comprising:

executing corresponding instruction threads in parallel as a leading thread and a trailing thread;

speculatively saving a result from the a first instruction executed in the leading thread and speculatively saving a result from the a second instruction corresponding to the first instruction executed in the trailing thread to a memory having extensions for speculative storage;

comparing the results saved in the memory;

committing a single set of instructions ~~to a memory state~~ based on the compared result; and

deferring external updates until completion of the step of committing.

2. (canceled)

3. (Currently Amended) The method of claim 1 wherein the corresponding instruction threads are epoch instruction threads.

4. (Currently Amended) The method of claim 3, wherein ~~the a corresponding location instructions~~ read by the leading thread during ~~the an epoch~~ contains same value as that read by the leading thread when the corresponding read by the trailing thread loads occurs.

5. (Currently Amended) An apparatus comprising:

a means for executing parallel threads as a leading thread and a trailing thread;

a means for speculatively saving the results from the executed threads in a memory having extensions for speculative storage;

a means for comparing the results saved in the memory;

a means for committing a single set of thread ~~to a memory state~~ based on the compared result; and

a means for deferring external updates until completion of the step of committing.

6. (Original) The apparatus of claim 5 wherein the executed threads are epoch threads.

7. (Original) The apparatus of claim 6, wherein each epoch is executed twice.

8. (Currently Amended) The apparatus of claim 5 wherein ~~the corresponding instructions~~ a location having a first value when read-loaded by the leading thread during ~~the an~~ epoch contains ~~same the first~~ value when the corresponding load by trailing thread loads occurs.

9. (canceled)

10. (Currently Amended) The apparatus of claim ~~9-8~~ wherein the single set is committed if the compare result matches.